

# Radio Group

This document outlines the specifications for the RadioGroupComponent , a reusable Angular component designed to present a group of radio buttons, allowing users to select a single option from a list of choices.

## Purpose

The RadioGroupComponent provides a user-friendly interface for selecting a single option from a set of mutually exclusive choices presented as radio buttons. It enhances the user experience by organizing options in a logical group and ensuring only one option can be selected at a time.

## Usage

Integrate the RadioGroupComponent into your Angular applications to facilitate the selection of single options from a predefined list presented as radio buttons.

## Inputs

- options : (Required) An array of objects representing the options available in the radio group. Each object should have the following properties: value : (Required) The unique value associated with the option. label : (Required) The label or display text for the option.
- selectedValue : (Optional) The value of the initially selected option. Defaults to null .
- disabled : (Optional) Disables all radio buttons in the group if set to true .
- layout : (Optional) Specifies the layout orientation of the radio buttons. Possible values: 'horizontal' : Arranges radio buttons horizontally (default). 'vertical' : Arranges radio buttons vertically.

## Events

- selectionChange : Fired when the selected option in the radio group changes. Emits the value of the newly selected option.

## Example

## Notes

- Ensure that each option in the options array has a unique value property to distinguish between options.
- Customize the styling of the radio buttons and their labels to maintain consistency with the overall design of your application.
- Implement the selectionChange event handler to respond to changes in the selected option within the radio group.